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SEPTEMBER 19, 1996

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FISH & RICHARDSON P.C.  
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ASSIGNOR:

ZHANG, HONGYONG

DOC DATE: 04/23/1996

ASSIGNEE:

SEMICONDUCTOR ENERGY LABORATORY CO., LTD.  
398, HASE ATSUGI-SHI  
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SERIAL NUMBER: 08646512

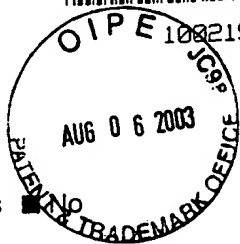
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1. Name of conveying party:  
Hongsheng Zhang

Additional name(s) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment  
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Additional names/addresses attached? ☐ Yes ☒ No

Execution Date: April 23, 1996

4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is: April 23, 1996

A. Patent Application No.(s):

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name/address of party to whom correspondence concerning document should be mailed:

Scott C. Harris  
Fish & Richardson P.C.  
4225 Executive Square, Suite 1400  
La Jolla, CA 92037

6. Total number of applications/patents involved: 1

7. Total fee (37 CFR 3.41): \$40

- ☒ Enclosed  
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8. Deposit account number: 06-1050

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Lisa Barber

LISA BARBER

FISH &amp; RICHARDSON P.C.

## ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign(s), transfer(s) and set(s) over to:

Semiconductor Energy Laboratory Co., Ltd.

having the address:

398, Hase, Atsugi-shi, Kanagawa-ken 243 Japan

(hereinafter designated as the "ASSIGNEE"), its successors and assigns, the entire right, title, and interest for the United States in the invention, and all applications for patent and any Letters Patent which may be granted therefor, including said application, and all United States Letters Patents which may be granted therefor, and all divisions, reissues, continuations and extensions thereof, the said interest being the entire ownership of said Letters Patent when granted to be held by said ASSIGNEE, its successors, assigns or their legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been and enjoyed by Assignor(s) if this assignment had not been made, the application being known by the Title:

Attorney Docket No: 07977/029001

for which the undersigned has/have executed an application for patent in the United States of America on the same day herewith. Where this instrument is not filed concurrently with the application, the following identifying information may be added after execution:

Serial No.

Filing Date:

1. The undersigned hereby agree(s) to sign and execute any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue application or in any amendments, extension or interference proceedings, or otherwise to secure the title thereto to the ASSIGNEE.

2. The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

3. The undersigned agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the ASSIGNEE.

4. The undersigned hereby authorize(s) and request(s) the Commissioner of Patents in the United States to issue any and all Letters Patents resulting from said application or any division or divisions or continuing applications thereof to the said ASSIGNEE.

5. The undersigned hereby grant(s) to the firm of Fish & Richardson P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

April 23, 1996

Date



Typed Name: Hongyong ZHANG

Date

Typed Name:

Date

Typed Name:

This assignment may be signed before a U.S. Notary Public or before at least two witnesses who also sign here:

Date

Typed Name:

Date

Typed Name: